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**1. An adaptive demodulator for the chaotic modulation communication system with network**

Chow, T.W.S.; Jiu-Chao Feng; Ng, K.T.;  
Circuits and Systems I: Fundamental Theory and Applications, IEEE Transactions on [t and Systems I: Regular Papers, IEEE Transactions on]  
Volume 47, Issue 6, June 2000 Page(s):902 - 909

**Summary:** Chaotic modulation is an important spread spectrum (SS) technique among communications. The logistic chaotic signal acts as the modulation signal in this paper. demodulator based on the radial basis function (RBF) neural network.....

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**2. Identification and tracking of chaotic signals with application to non-coherent de chaos-based communications**

Jiu-chao Feng; Tse, C.K.;  
Communications, Circuits and Systems, 2004. ICCCAS 2004. 2004 International Confe  
Volume 2, 27-29 June 2004 Page(s):851 - 854 Vol.2

**Summary:** A tracker is proposed for reconstructing the transmitted chaotic signal unde condition of the transmitted signal being contaminated by noise and its generating func to strong parameter variations. This tracker uses a .....

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**3. A chaos tracker applied to non-coherent detection in chaos-based digital commu systems**

Jiu-Chao Feng; Tse, C.K.; Lau, F.C.M.;  
Circuits and Systems, 2001. ISCAS 2001. The 2001 IEEE International Symposium on  
Volume 3, 6-9 May 2001 Page(s):795 - 798 vol. 2

**Summary:** In chaos-based communication systems, parameter variation in the chaos ( additive channel noise represent two practical problems that are hard to solve. For cha communication, non-coherent detection has the advantage that .....

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**4. A chaotic annealing neural network and its application to direction estimation of sources**

Ying Tan; Chao Deng; Zhenya He;  
Neural Networks for Signal Processing [1997] VII. Proceedings of the 1997 IEEE Work  
24-26 Sept. 1997 Page(s):541 - 550

**Summary:** A chaotic annealing neural network model based on transient chaos and dy proposed for solving optimization problems with continuous-variables, such as the max estimation of spatial signal sources considered in this article.....

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**5. Modeling nonlinear behavior in the Fermilab Main Ring**

Gerig, R.E.; Michelotti, L.; Chao, Y.;

Particle Accelerator Conference, 1989. 'Accelerator Science and Technology', Proceedings of IEEE

20-23 March 1989 Page(s):1277 - 1279 vol.2

**Summary:** Recent simulations of the Fermilab Main Ring indicate that the systematic r decapole order and higher lead to chaotic behavior and slow or sudden amplitude growth thousands of turns. This behavior is seen in the model at em.....

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**6. Application of ICA in harmonic retrieval in chaotic noise**

Lu Peng; Li Yue; Li Chao;

Signal Processing, 2004. Proceedings. ICSP '04. 2004 7th International Conference on Volume 3, Aug. 31 - Sept. 4, 2004 Page(s):2549 - 2552

**Summary:** Not available.....

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**7. A review of some main models for traffic flow forecasting**

Chao Han; Su Song;

Intelligent Transportation Systems, 2003. Proceedings. 2003 IEEE

Volume 1, 2003 Page(s):216 - 219 vol.1

**Summary:** As intelligent transportation systems (ITS) are implemented widely throughout managers of transportation systems have access to large amounts of "real-time" status forecasting is becoming an important tool in ITS. During th.....

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